

EE 3310 -- Microprocessors
Fall 1991 -- Section 501
TTh 7:00 - 8:30 pm
(Update)

Instructor:

Jason Losh

Office: 142b EB-II

Phone: (817) 794-5661

Hours: 8:30-? T, 5:30-7pm Th or by appt.

Grader:

Office: 239 EB-II

Phone: (817) 273-2306

Hours: Same as above

Textbook:

and Interfacing, Prentice Hall, 1987. ISBN 0-13-246752-6.

References:

8080, 8085, and Z80, Prentice Hall, 1985. ISBN 0-13-580309-8.

iAPX 86/88, 186/188 User's Manual: Hardware Reference, Intel Literature Department, 1985. ISBN 0-917017-36-6.

iAPX 86/88, 186/188 User's Manual: Programmers Reference, Intel Literature Department, 1985. ISBN 1-55512-010-5.

Liu, Yu-cheng, *et. al.*, Microcomputer Systems: The 8086/8088 Family: Architecture, Programming, and Design, Second ed., Prentice Hall, 1986. ISBN 0-13-580499-X.

Coffron, James W., Programming the 8086/8088, Sybex Publishing, 1983. ISBN 0-89588-120-9.

Grade

A (90-100), B (80-89), C (70-79), D (60-69), F(0-59)

Structure:

Quizzes

Test 1

25% (Tue, Oct. 22 at 7:00pm)

Test 2

25% (Thu, Dec. 19 at 8:15-9:45 pm)

S/W Project

H/W Project

(The best 4 of 5 grades will be used.)

Course

The last undergraduate day to drop with an automatic grade **Info:**
of W is Friday, 11 Oct 1991.

B)

22 November 1991.

C)

D)

E)

Any cheating will result in a grade of zero on the work submitted and subsequent filing for disciplinary action with the Associate Dean of Engineering.

F)

G)

I will hold office hours immediately following or prior to class. Other work responsibilities of myself and fellow office-mates require that I can not have open-ended office hours.

H)

will not be graded or submitted to me (there are too many solution manuals around), but the homework will be highly respective of the quiz questions.

Grading:

grader. All questions related to grades on the quizzes should be

referred to him in writing. I will not have quiz grade information until the end of the semester. If you have a grievance after talking to the grader, then see me.

Midterm: The midterms will be graded by the grader. All requests for regrading should be typed or written neatly and attached to the test and given to the grader. Grievances will be handled as above.

Final: I will grade all final exams and they will be retained by me. They will be available for examination on the first two days of the Fall semester only or by appointment.

Project: I will be responsible for grading the projects. Duplicate project submissions will result in a grade of zero for all parties involved.

Availability of Final Grades: Due to the Privacy Act of 1974, no grades, in coded or other form can be posted, without exception. I will mail grade information to you if you provide a SASE to me at the time of the final.

Computer

Lab in Room 255 of EB II. The primary packages used will be OrCAD SDT and VST and various languages (C, C++, Pascal, FORTRAN, MASM, and Turbo Assembler).

Due to the fact that I found several instances of theft from accounts in previous semesters, password changing is highly encouraged. If someone steals your code or file and submits it as theirs, your grade may suffer.

Prereqs:

- 2) Synchronous State Machine Design
- 3) Knowledge of Gates, Flip-flops, Decoders, Buffers, ...
- 4) Knowledge of a major programming language.

Topics:

2) OpCodes, Instructions, and Program Execution

3) Assembly Language Programming

4) Hardware Overview

5) Microprocessor System Design